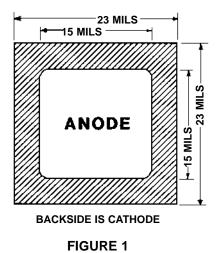
查询ENER 301B的概念前PS

- ALL JUNCTIONS COMPLETELY PROTECTED WITH SILICON DIOXIDE
- ELECTRICALLY EQUIVALENT TO 1N5221B THRU 1N5272B
- 0.5 WATT CAPABILITY WITH PROPER HEAT SINKING
- COMPATIBLE WITH ALL WIRE BONDING AND DIE ATTACH TECHNIQUES, WITH THE EXCEPTION OF SOLDER REFLOW

CD5221B thru CD5272B

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise specified

TYPE NUMBER	NOMINAL ZENER VOLTAGE (Note 1) Vz @ lzt	TEST CURRENT I _Z T	MAXIMUM ZENER IMPEDANCE (Note 2) Z _{ZT @} I _Z T		MAXIMUM REVERSE CURRENT IR @ VR	
	VOLTS	mA	OHMS	OHMS	μ A	VOLTS
CD5221B CD5222B CD5223B CD5224B CD5225B	2.4 2.5 2.7 2.8 3.0	20 20 20 20 20 20 20	30 30 30 30 30 29	1200 1250 1300 1400 1600	100 100 75 75 50	1.0 1.0 1.0 1.0 1.0
CD5226B CD5227B CD5228B CD5229B CD5230B	3.3 3.6 3.9 4.3 4.7	20 20 20 20 20 20	28 24 23 22 19	1600 1700 1900 2000 1900	25 15 10 5.0 5.0	1.0 1.0 1.0 1.0 2.0
CD5231B CD5232B CD5233B CD5234B CD5235B	5.1 5.6 6.0 6.2 6.8	20 20 20 20 20 20	17 11 7.0 7.0 5.0	1600 1600 1600 1000 750	5.0 5.0 5.0 5.0 3.0	2.0 3.0 3.5 4.0 5.0
CD5236B CD5237B CD5238B CD5239B CD5240B	7.5 8.2 8.7 9.1 10	20 20 20 20 20 20	6.0 8.0 8.0 10 17	500 500 600 600 600	3.0 3.0 3.0 3.0 3.0	6.0 6.5 6.5 7.0 8.0
CD5241B	11	20	22	600	2.0	8.4
CD5242B	12	20	30	600	1.0	9.1
CD5243B	13	9.5	13	600	0.5	9.9
CD5244B	14	9.0	15	600	0.1	10
CD5245B	15	8.5	16	600	0.1	11
CD5246B	16	7.8	17	600	0.1	12
CD5247B	17	7.4	19	600	0.1	13
CD5248B	18	7.0	21	600	0.1	14
CD5249B	19	6.6	23	600	0.1	14
CD5250B	20	6.2	25	600	0.1	15
CD5251B	22	5.6	29	600	0.1	17
CD5252B	24	5.2	33	600	0.1	18
CD5253B	25	5.0	35	600	0.1	19
CD5254B	27	4.6	41	600	0.1	21
CD5255B	28	4.5	44	600	0.1	21
CD5256B	30	4.2	49	600	0.1	23
CD5257B	33	3.8	58	700	0.1	25
CD5258B	36	3.4	70	700	0.1	27
CD5259B	39	3.2	80	800	0.1	30
CD5260B	43	3.0	93	900	0.1	33
CD5261B	47	2.7	105	1000	0.1	36
CD5262B	51	2.5	125	1100	0.1	39
CD5263B	56	2.2	150	1300	0.1	43
CD5264B	60	2.1	170	1400	0.1	46
CD5265B	62	2.0	185	1400	0.1	47
CD5266B	68	1.8	230	1600	0.1	52
CD5267B	75	1.7	270	1700	0.1	56
CD5268B	82	1.5	330	2000	0.1	62
CD5269B	87	1.4	370	2200	0.1	68
CD5270B	91	1.4	400	2300	0.1	69
CD5271B	100	1.3	500	2600	0.1	76
CD5272B	110	1.1	750	3000	0.1	84



DESIGN DATA

METALLIZATION: Top: (Anode)Al Back: (Cathode)Au					
AL THICKNESS	25,000 Å Min				
GOLD THICKNESS	4,000 Å Min				
CHIP THICKNESS	10 Mils				

CIRCUIT LAYOUT DATA:

For Zener operation, cathode must be operated positive with respect to anode.

TOLERANCES: ALL Dimensions ± 2 mils



COMPENSATED DEUICES INCORPORATED

22 COREY STREET, MELROSE, MASSACHUSETTS 02176 PHONE (781) 665-1071 FAX (781) 665-7379 WEBSITE: http://www.cdi-diodes.com E-mail: mail@cdi-diodes.com

CD5221B thru CD5272B

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C Storage Temperature: -65°C to +175°C Forward Voltage @ 200 mA: 1.5 Volts maximum

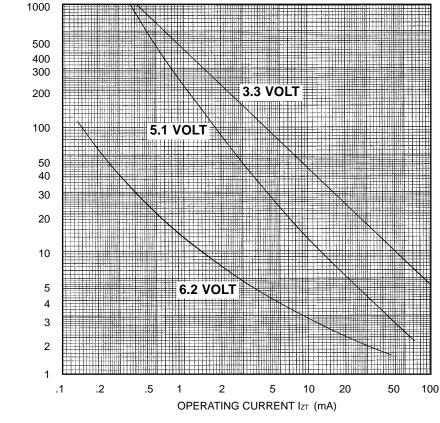
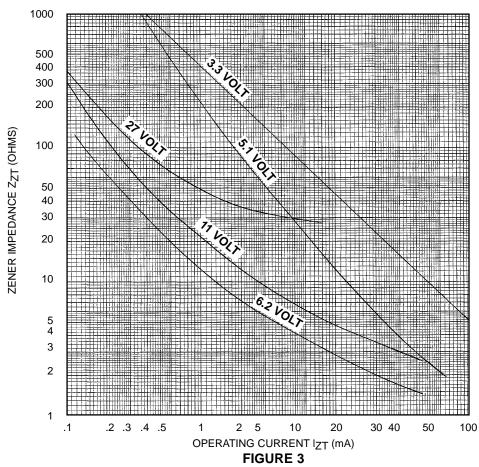


FIGURE 3

ZENER IMPEDANCE VS. OPERATING CURRENT



ZENER IMPEDANCE Zzr (OHMS)

NOTE 1

Zener voltage range equals "nominal Zener voltage" (see table) \pm 5%, for "B" Suffix types. "A" Suffix denotes \pm 10%. No Suffix denotes \pm 20%. "C" suffix = \pm 2% tolerance and "D" suffix = \pm 1% tolerance.

NOTE 2

Zener impedance is derived by superimposing on I_{ZT}A 60 Hz rms a.c. current equal to 10% of I_{ZT}

NOTE 3

Zener voltage is read using a pulse measment, 10 miliseconds maximum.

ZENER IMPEDANCE VS. OPERATING CURRENT